

SERVICE BULLETIN AMATEUR RADIO

SUBJECT TH-26A INTERNAL BIRDIES	DATE 08/08/90
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The TH-26A has two internal birdies. One is at 145.645MHz and the other is at 147.200MHz. The first one is caused by the CPU clock and the second one is caused by the PLL reference crystal. The birdie related to the CPU clock can be corrected by changing R78 on the Control board from 3.9K ohm to 6.8K ohm and adding a ground to R64. The birdie related to the reference crystal can be corrected by changing L12 on the TX/RX (B/2) board from a 10uH inductor to a 1mH inductor.

REQUIRED PARTS:

RK73GB1J682J 6.8K OHM CHIP RESISTOR
L40-1021-14 1mH INDUCTOR

TO CHANGE R78:

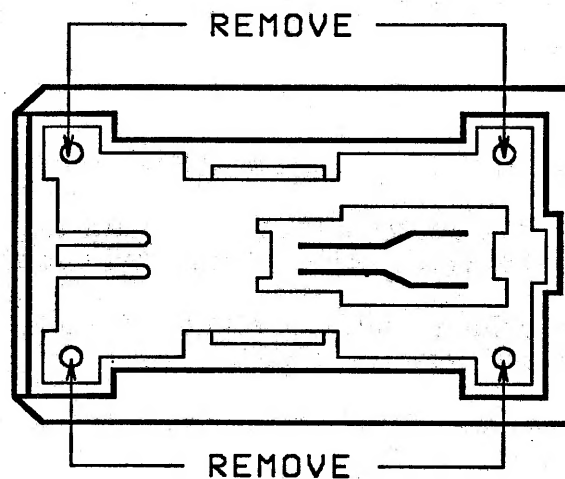
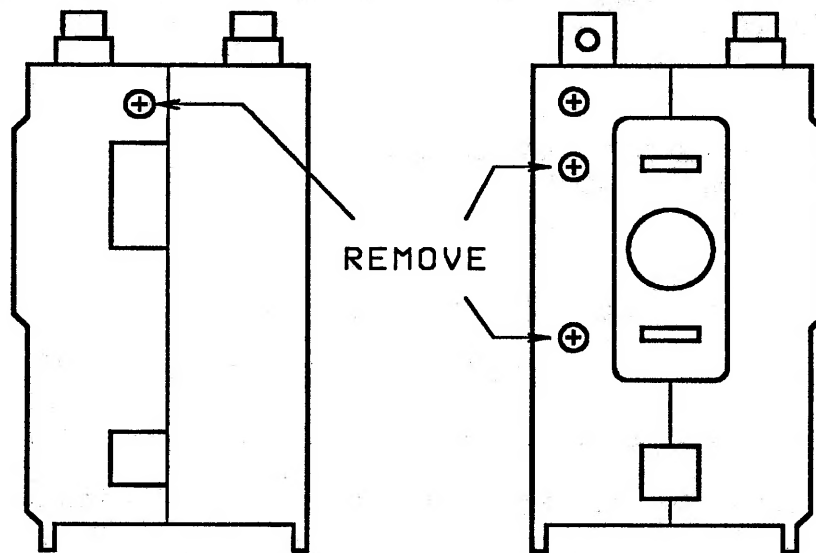
1. Disconnect the battery pack and antenna.
2. Remove the three case screws and four battery plate screws. Figure 1
3. Lift the front panel from the body of the transceiver.
4. Do not lose the rubber cover for the DC IN jack.
5. Locate R78 on the Control board inside the front panel. Figure 2
6. Replace R78 with a 6.8K ohm chip resistor.
7. Install a jumper wire from R64 to the mounting plate behind the PTT switch. Figure 2

TO CHANGE L12:

8. Remove the four screws from the TX/RX (A/2) board. Figure 3
9. Carefully lift the TX/RX (A/2) board up and rotate it and the front panel assembly to the right of the transceiver.
10. Do not lose the rubber cover for the SPEAKER/MIC jacks and the plastic piece from the battery release.
11. Remove the two screws from the power module shield and set the screws and shield aside. Figure 4

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12. Remove the four screws from the TX/RX (B/2) board. **Figure 4**
13. Remove the three black screws from the back panel that secure the antenna BNC connector.
14. Carefully lift the TX/RX (B/2) board off the back panel.
15. Locate L12 on the TX/RX (B/2) board. **Figure 4**
16. Replace L12 with a 1mH inductor.
17. Assemble the transceiver.



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Time required to perform this modification is 1 hr. or less.
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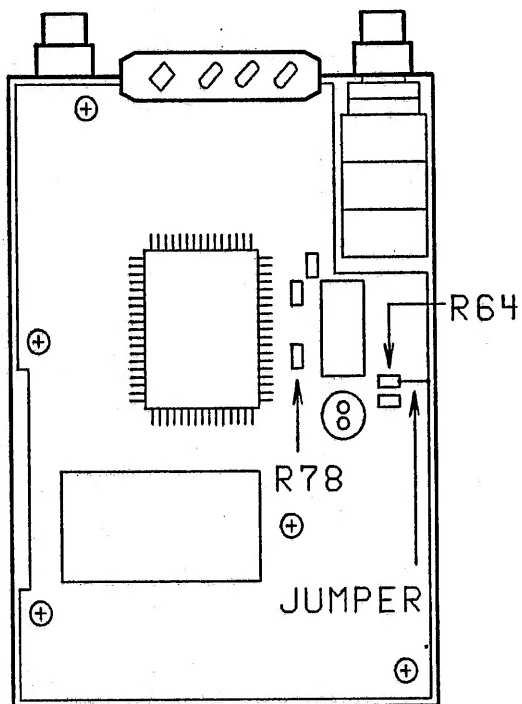


FIGURE 2

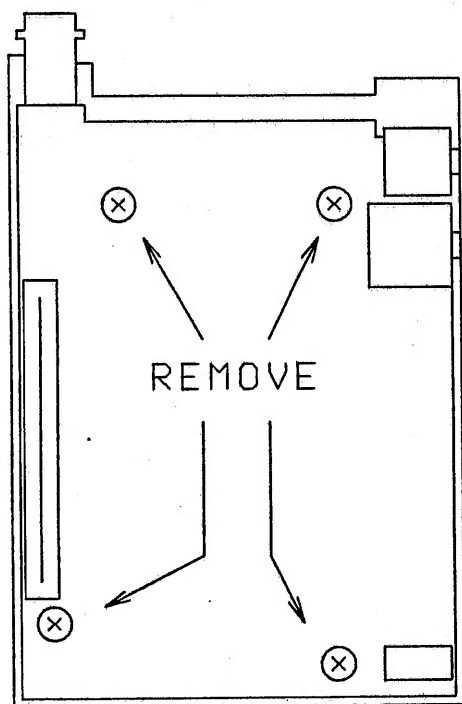


FIGURE 3

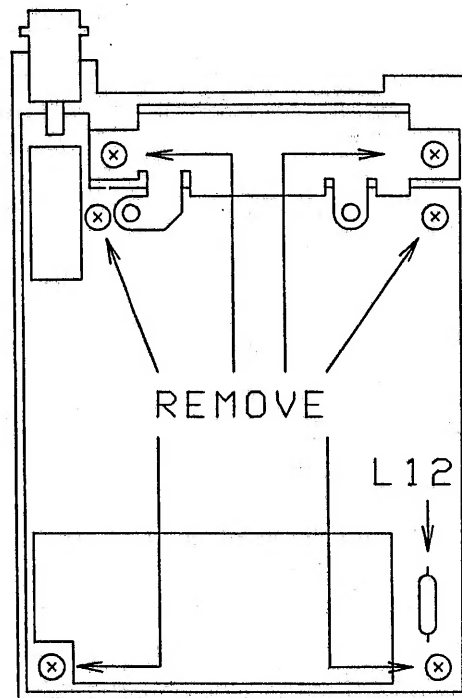


FIGURE 4

